



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	T
PO038986	MES002-VC	1	1	Net 30	M304B0.250x0.500	304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				300	2/14/2018	326		S041640	Stock	2/12/2018	\$ 4.25 / pcs	1		\$
Total:										300		326								\$1.

Plex 2/13/2018 8:12 AM Dart.Dubois.Pascal

## Shipping Order

09/02/2018

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7  
Tel.: 450 641-3330

Order : 132578  
Reference : 38986  
Ship : PICK UP / PICK UP

Customer: 6323336

## Ship To

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SF14124HR	304 STAIN FLA .25" X 500" HR 2 X 12.75' 15 X 13.08' 2 X 13.33' 6 X 13' HT.67736108	326.36	<u>326.36</u>	<u>0</u>
MR5841H	4140 ROND .625" H.T 1 X 96" ***** HT,	8	<u>0</u>	<u>0</u>
MR7841H	4140 HT ROU .875" DIA 1 X 20' R/L ***** HT,	20	<u>0</u>	<u>20</u>
MSQ141CD	4140 SQU 1.000 CD 1 X 72" HT,	6	<u>0</u>	<u>6</u>
MP11441H	4140 HTSR PLATE 1.250" THICK 10 X 6" X 12" HT,  SHIP JOURNEY COLLECT JP	280	<u>0</u>	<u>280</u>

Shipping : \_\_\_\_\_  
Package No : \_\_\_\_\_

Ref. : \_\_\_\_\_

Merchandise Received: \_\_\_\_\_

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MR7841H	4140 HT ROU .875" DIA 1 X 20' R/L ***** HT;	20	0	20
MSQ141CD	4140 SQU 1.000 CD 1 X 72" HT;	6	0	6
MP11441H	4140 HTSR PLATE 1.250" THICK 10 X 6" X 12" HT;	280	0	280

SHIP JOURNEY COLLECT  
JP

Pat Anwar  
02-09-18  
1 Budget

Shipping : \_\_\_\_\_  
Package No : \_\_\_\_\_  
Merchandise Received: \_\_\_\_\_

Ref. : \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO038986

**Supplier:** MES002-VC  
Metaux Solutions  
2625 boul Jacques-Cartier Est  
Longueuil  
QC  
J4N 1L7 Canada  
Phone: 800 558 8858  
Fax: 514 633 8044

**PO No:** PO038986

**PO Date:** 2/8/18

**Due Date:** 2/20/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lacelle, Linda  
Phone: llacelle@dartaero.com

**E-MAILED**

**FEB 08 2018**

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** Net 30

**Freight Terms:**

**Special Comments:**

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/20/18	300 pcs	0 pcs	300 pcs	\$4.25/pcs	\$1,275.00
2	M4140NR0.625		4140 Steel Round Bar 0.625" receive ft	Firmed	2/20/18	8 ft	0 ft	8 ft	\$5.70/ft	\$45.60
3	M4140NR0.875		4140 Steel Round Bar 0.875" receive ft	Firmed	2/20/18	20 ft	0 ft	20 ft	\$4.70/ft	\$94.00
4	M4140CDB1.000x1.000		4140 Steel Bar 1.000 X 1.000 receive ft	Firmed	2/20/18	6 ft	0 ft	6 ft	\$27.00/ft	\$162.00
5	MT-4140-B- 1.250X6.000		AISI 4140 Round Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC  NOTE: cut material in 12" length x 10 pcs	Firmed	2/20/18	10 ft	0 ft	10 ft	\$68.60/ft	\$686.00

**Grand Total:** \$2,262.60

## Order Notes

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.250X0.500  
 DATE: FEB 13 2018

PO BATCH NO: 038986/5041619

MATERIAL CERT REQD: Yes  
 QUANTITY RECEIVED: 326'  
 QUANTITY INSPECTED: 326'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .250  
 THICKNESS RECEIVED: .250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Astm A276</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Heat # 67736108</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.  
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR E	WEE
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if req)</b>	
INSPECTED BY: <u>DAS</u>	<u>11</u>	SIGNED OFF BY: _____	
DATE: <u>9-89</u>	<u>FEB 13 2018</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in.

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276 OR ASTM A240  
PART NUMBER: M304B | TTTT | WWW.WWW | THICK | WIDTH

WHERE "TTTT" = THICKNESS IN INCHES  
AND "WWW.WWW" = WIDTH IN INCHES

△ EG. 0.5" X 3.0" BAR = M304B0.500X03.000  
△ EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

RELEASED  
2010-11-30

C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE FROM 304/316 BAR TO 304/316 BAR/PLATE	MB	10.11.25
B	REWORK DWG. ADD SPECS (ZN D6-1).	CP	09.07.15
A	NEW ISSUE	PH	05.06.10
REV.	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN	PH		
CHECKED	PH		
MFG. APPR.	PH		
APPROVED	PH		
DE APPR.	PH		
DATE	10.11.25		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304B			
TITLE 304/316 BAR/PLATE			
SCALE NTS			
SHEET 1 OF 1			
REV. C			
COPYRIGHT © 2005 BY DART AEROSPACE LTD. THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION FROM DART AEROSPACE LTD.			

<b>BOLLINGHAUS</b> STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Für Lieferprüfungen/Mit Test Certificate/Mit. de Qualidade <b>EN 10204:2004 / 3.1</b> Unsere Interne Verweisung / Our Int. Ref / ref Int 5800038278 000010		No.: / Nr.: / №: 0000136628 Datum / Date / Data 18.12.2017																																					
<b>Spezifikation / Standards / Normas</b> TYPE 304/UNS S30400 and TYPE 304/L/UNS S30403 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A163/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A262-15 Pract. E, AMS QQ-S-763D, AMS 5630J, AMS 5947K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.																																									
<b>Kunde / Customer / Cliente</b> Bestell Nr./Order Nr./Enc.Nr. c110766			<b>Endgültiger Kunde / Final Customer / Cliente Final</b>																																						
<b>Produktgruppe / Product Group / Grupo Produto</b> AISI 304/L FLAT 1/4 X 1/2"		<b>Gewicht / Weight / Peso</b> 1.059 lb		<b>Bunde / Bundle / Atados</b> 01																																					
<b>Werkstoff-Nr. / Material-no. / Qualidade</b> 1.4307		<b>Werkstoff-Normbezeichnung / Material standard grade / Norma do material</b> X 2 CrNi 18-9																																							
<b>Beschreibung / Description / Descrição</b> Stainless steel flat bars hot rolled, heat treated, straightened and pickled US DFR 252.225-7009. MELT SOURCE: France / MFG: Portugal.																																									
<b>Schmelzen-Nr. / Casting / Fusão Nr.</b> 67736108		<b>Chemische Analyse in % / Chemical composition in % / Análise química em %</b>																																							
C 0.018 Si 0.525 Mn 1.164 P 0.029 S 0.025 Cr 18.127 Ni 8.045		Mo 0.376 Co 0.117 Cu 0.406 N 0.080 Ti 0.002																																							
<b>Proben Nr. / Test no. / Amostra no.</b> 4036951.01.01		<table border="1"> <tr> <th colspan="2">ASTM E399</th> <th colspan="4">ASTM A370</th> </tr> <tr> <th>Kernschlagenergie / Impact Test / Resiliência</th> <th>Streckgrenze / Yield point / Tensão limite</th> <th>Dehngrenze 1% point / Limite de extensão</th> <th>Zugfestigkeit / Tensile strength / Tensão de rotura</th> <th>Dehnung / Elongation / Alongamento</th> <th>Einengung / Reduction of area / Coef. Estricção</th> </tr> <tr> <td>{Charpy V}</td> <td>Rp 0.2 %</td> <td>Rp 1.0 %</td> <td>Rm</td> <td>A5</td> <td>4D</td> </tr> <tr> <td>[J]</td> <td>[Ks]</td> <td>[Ks]</td> <td>[Ks]</td> <td>[%]</td> <td>[%]</td> </tr> <tr> <td></td> <td>48</td> <td>57</td> <td>93</td> <td>53.9</td> <td>55.4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>70.1</td> </tr> </table>				ASTM E399		ASTM A370				Kernschlagenergie / Impact Test / Resiliência	Streckgrenze / Yield point / Tensão limite	Dehngrenze 1% point / Limite de extensão	Zugfestigkeit / Tensile strength / Tensão de rotura	Dehnung / Elongation / Alongamento	Einengung / Reduction of area / Coef. Estricção	{Charpy V}	Rp 0.2 %	Rp 1.0 %	Rm	A5	4D	[J]	[Ks]	[Ks]	[Ks]	[%]	[%]		48	57	93	53.9	55.4						70.1
ASTM E399		ASTM A370																																							
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[J]	[Ks]	[Ks]	[Ks]	[%]	[%]																																				
	48	57	93	53.9	55.4																																				
					70.1																																				
<b>Visuelle Kontrolle / Visual inspection / Inspeção visual</b> <input checked="" type="checkbox"/> OK		<b>ASTM E10</b> Härte / Hardness / Dureza 195 [HB]		<b>ASTM A262 Practice E</b> Korrosionsbeständigkeit / IC Test Corrosão Intermetálica <input checked="" type="checkbox"/> OK																																					
<b>ASTM A484</b> Maßkontrolle / Dimensional inspection / Inspeção dimensional <input checked="" type="checkbox"/> OK		<b>ASTM E112</b> Korngröße / Grain size / Tamanho de grão 9		<b>Wärmebehandlung / Heat treatment / Tratamento térmico</b> Annealed Quenched 1900 °F (1050 °C) (water quenched)																																					
<b>Verwechslungsprüfung / Test to identify / Teste de identificação</b> <input checked="" type="checkbox"/> OK		<b>Material free from segregation defects.</b> <input checked="" type="checkbox"/> OK		Vasco Ferreira (V - VF)																																					
<b>Bemerkungen / Remarks / Observações</b> Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.		<b>Bollinghaus Steel, SA</b> Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeta as especificações de acordo com as normas referidas.																																							

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